

Notice of Allowability

Application No.

10/767,328

Applicant(s)

KONISHI ET AL.

Examiner

Art Unit

Hoang V. Nguyen

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to telephone interview of 3/29/05.
2. ☒ The allowed claim(s) is/are 1-29.
3. ☒ The drawings filed on 29 January 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 7/20/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 032905
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


HOANG V. NGUYEN
PRIMARY EXAMINER

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Patrick Burns on 29 March 2005.

2. The application has been amended as follows:

Claim 27, line 1, delete [20] and insert --21-- in place thereof.

The Examiner's amendment was done to correct claim dependency in order to place the claims in condition for allowance.

Allowable Subject Matter

3. Claims 1-29 are allowed.
4. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, Abbasi et al (US 6,650,298 B2) discloses an antenna comprising an antenna element; a support; and a ground contact spring formed integrally from sheet metal. Abbasi, however, fails to further teach that the antenna element is located at one side with respect to the support, and the ground contact spring extending to the other side from the support in an elastically deformable manner.

Claims 2-5 are allowed for depending on claim 1.

Art Unit: 2821

Regarding claims 6 and 7, Abbasi fails to disclose, among other features, an antenna comprising of a support designed to straddle a projecting ridge and supported by the housing, a ground contact spring extending from the support to the periphery of the functional unit and contacting at least part of the periphery of the functional unit, and an antenna element extending from the support to an opposite side of the support when seen from the ground contact spring.

Claims 8-15 are allowed for depending on claim 7.

Regarding claim 16, the antenna structure of Abbasi would enable a method of affixing an antenna comprising of an antenna element; a support; and a ground contact spring formed integrally from sheet metal. Abbasi, however, fails to further teach that the antenna element is located at one side with respect to the support, and the ground contact spring extending to the other side from the support in an elastically deformable manner.

Claims 17-20 are allowed for depending on claim 16.

Regarding claims 21, Flint et al (US 6,686,886 B2) discloses a device comprising a functional unit, a lid able to open and close with respect to the functional unit via a hinge and having a display, and an antenna. Flint, however fails to specifically teach a configuration wherein the lid having a projecting ridge for mounting the antenna and a display having a conductor at least at part of its periphery and affixed to the housing so that at least part of the periphery adjoins the projecting ridge.

Claims 22-27 are allowed for depending on claim 21.

Regarding claim 28, Flint fails to specifically teach, among other features, a projecting ridge, a functional unit having a conductor at least at part of its periphery and affixed to the housing so that at least part of the periphery adjoins the projecting ridge.

Art Unit: 2821

Regarding claim 29, Flint discloses a device comprising a functional unit, a lid able to open and close with respect to the functional unit via a hinge and having a display, and an antenna. Flint, however, fails to specifically teach a configuration wherein the lid being provided with the housing and display having a ground conductor at least at part of its periphery and affixed to the housing so that the side surface adjoins the projecting ridge.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Patent 6,853,336 B2 discloses a device provided with a functional unit, a lid, a display and an antenna.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang V. Nguyen whose telephone number is (571) 272-1825. The examiner can normally be reached on Mondays-Fridays from 9:00 a.m. to 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoang Nguyen can be reached on (571) 272-1825. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2821

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hvn
3/29/05



**HOANG V. NGUYEN
PRIMARY EXAMINER**